

## 01204426 Network Configurations 3(2-3)

1<sup>st</sup> Semester 2010

### Instructor Information

Instructor: Asso. Prof. Dr. Anan Phonphoem  
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### Course Information

Class Time: Thu 10 – 12 : Online Exam; Lecture; Talk Lab; and Last week Lab summarization  
Thu 1 – 4: Lab practice  
Location: Building 15, Room 603  
Class URL: <http://course.ku.ac.th> (Class material, on-line HW submission)  
<http://kunetlab2.cpe.ku.ac.th> (On-line curriculum material)  
<http://cisco.netacad.net> (On-line Assessment)  
Prerequisite: 204422 Computer Network Laboratory  
  
Course Description: This course will mostly concern in the laboratory experiments (Hand-on) on topics covered in Data Communications and computer networks (Part II). The topics are TCP/IP and addressing; Wide Area Network; Routing Protocol; Advanced Router configuration; Virtual LAN configuration; WAN design; Network Troubleshooting.  
  
Course Objective: Students experience in the hand-on and laboratory experiments on Computer Communication and Network topics. Also students have to pass the online tests.  
  
Text Book: Instructor slide (Data communication Textbook and Computer Network Textbook).  
Supplement: CCNA course material from Cisco

### Grades

Lab Report:	10 %
Weekly On-line Exam:	10 %
Practical Midterm Exam:	30 %
On-line Midterm Exam:	10 %
Practical Final Exam:	30 %
On-line Final Exam:	10 %

## Grading Policy

- Your Grade is based on the overall class performance
- An “F” grade will be given to any form of cheating (for all partners)
- If you miss more than 2 classes, you are not allowed to take the practical exams
- More than 30 min. late is considered as a missing class
- You are not allowed to take the exam (or quiz) if > 15 min late
- All exams are allowed only for students physically present in the lab during the exam period
- Make-up exam will only be provided only for restrict circumstances (e.g. severe illness)

## Assignment Policy

- No Late assignment will be graded
- No credit for copying assignment (all copies) and considered as cheating tendency

## Tentative Course Schedule

Week	Date	Description	On-line Exam
1	Thu, June 10	Router Configuration Review (RIP, OSPF)	Registration
2	Thu, June 17	Basic Switch configuration	M3: Chapter 1 – 2
3	Thu, June 24	VLAN configuration	M3: Chapter 3
4	Thu, July 1	VLAN Trunking Protocol (VTP)	M3: Chapter 4
5	Thu, July 8	Spanning Tree Protocol (STP)	M3: Chapter 5
6	Thu, July 15	Inter-VLAN Routing	M3: Chapter 6
	Thu, July 22	No Class (Graduation Ceremony)	
7	Thu, July 29	WLAN	M3: Chapter 7
	<b>Fri, Aug 6</b>	<b>Midterm Exam</b>	<b>On-line Final M3 Exam</b>
	Thu, Aug 12	No Class (Mother’s Day)	
8		(Make up Class) PPP	M4: Chapter 1 - 2
9	Thu, Aug 19	Frame Relay	M4: Chapter 3
10	Thu, Aug 26	Basic network security	M4: Chapter 4
11	Thu, Sep 2	Access Control List (ACL)	M4: Chapter 5
12	Thu, Sep 9	DHCP & NAT	M4: Chapter 6 - 7
13	Thu, Sep 16	Basic Routing for non-Cisco Router	M4: Chapter 8
14	Thu, Sep 23	Interoperability Routing (Cisco-3Com-Huawei)	
	<b>Fri, Oct 1</b>	<b>Final Exam</b>	<b>On-line Final M4 Exam</b>